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PCT/EP2003/000011

## PATENT COOPERATION TREATY



## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 0000053190	<b>FOR FURTHER ACTION</b>	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/EP2003/000011	International filing date ( <i>day/month/year</i> ) 03 January 2003 (03.01.2003)	Priority date ( <i>day/month/year</i> ) 15 January 2002 (15.01.2002)
International Patent Classification (IPC) or national classification and IPC C09J 4/06		
Applicant BASF AKTIENGESELLSCHAFT		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of \_\_\_\_\_ sheets.

3. This report contains indications relating to the following items:

- I  Basis of the report
- II  Priority
- III  Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV  Lack of unity of invention
- V  Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI  Certain documents cited
- VII  Certain defects in the international application
- VIII  Certain observations on the international application

Date of submission of the demand 10 June 2003 (10.06.2003)	Date of completion of this report 26 March 2004 (26.03.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP2003/000011

**I. Basis of the report****1. With regard to the elements of the international application:\***

the international application as originally filed  
 the description:

pages \_\_\_\_\_ 1-49 \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

the claims:

pages \_\_\_\_\_ 1-18 \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, as amended (together with any statement under Article 19)  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

the drawings:

pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

the sequence listing part of the description:

pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

**2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.  
These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:**

the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).  
 the language of publication of the international application (under Rule 48.3(b)).  
 the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

**3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:**

contained in the international application in written form.  
 filed together with the international application in computer readable form.  
 furnished subsequently to this Authority in written form.  
 furnished subsequently to this Authority in computer readable form.  
 The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.  
 The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

**4.  The amendments have resulted in the cancellation of:**

the description, pages \_\_\_\_\_  
 the claims, Nos. \_\_\_\_\_  
 the drawings, sheets/fig \_\_\_\_\_

**5.  This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\***

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/00011

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims	1-18	YES
	Claims		NO
Inventive step (IS)	Claims	1-18	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-18	YES
	Claims		NO

## 2. Citations and explanations

D1: EP-A-0 699 704 (ATOHAAS HOLDING CV) 6 March 1996  
 (1996-03-06)

D2: EP-A-1 072 658 (BASF AG) 31 January 2001 (2001-01-31)

D3: WO 90/03988 A (DESOTO INC) 19 April 1990 (1990-04-19)

D4: US-A-3 895 171 (DEAMUD JAMES R ET AL) 15 July 1975 (1975-07-15)

D5: US-A-3 660 143 (JOHNSON OLIN B ET AL) 2 May 1972  
 (1972-05-02)

1. D2 is regarded as the closest prior art because D2 also addresses the problem of improving the adhesiveness of coatings of *inter alia* acrylate resins on substrates. However, a mixture of a radiation-hardenable compound and at least one contact adhesive is not obvious from D2 as a possible solution to the problem. The term "contact adhesive" is defined on page 31 of the present description.

It is assumed that the additives B) in D1, the method according to claims 1 to 11, and in D3, claim 1, also are not contact adhesives of this type.

D4 and D5 are only technological background.

2. The applicant has shown with examples and comparative examples (i.e. without the addition of AC resin as a contact adhesive) that the stated problem, namely achieving better adhesion (to a surface), has in fact been solved. This supports the involvement of the required inventive step (PCT Article 33(3)).
3. However, the Examining Authority recommends defining the subject matter of the very broadly worded claim 1 more precisely, for example, as defined in claim 3 and as specified on page 31, sixth paragraph, as "particularly suitable".  
But perhaps the criterion of the miscibility of the contact adhesive with the radiation-hardenable compositions according to page 30, lines 24-31, is also an essential feature, in which case it belongs in the main claim.